

WHAT IS CLAIMED IS:

1. An electrophoretic display comprising a transparent first substrate and a second substrate arranged with a predetermined gap therebetween, an insulating liquid provided in said gap, charged particles dispersed in said insulating liquid, and a first electrode and a second electrode arranged on either of said first substrate and said second substrate, wherein:

the display comprises liquid-repellency parts and repellency-lowered parts on the surface of said first substrate and the surface of said second substrate, and said insulating liquid is provided to the repellency-lowered parts of said first substrate and said second substrate as compartments.

2. The electrophoretic display according to claim 1, wherein the display comprises a plurality of spacer members on said liquid-repellency parts, and the surface of said spacer members has liquid repellency against said insulating liquid.

3. The electrophoretic display according to claim 1, wherein the display comprises banks, higher than the surroundings thereof, in the boundary parts between the adjacent compartments of the insulating liquid provided to said repellency-lowered parts on either of said first substrate and said second substrate or on both substrates.

4. The electrophoretic display according to

claim 1, wherein the surface of the insulating liquid is covered with a transparent resin, and said resin is provided to the gaps between said adjacent compartments of the insulating liquid each covered with said resin film.

5. The electrophoretic display according to claim 4, wherein the resin, provided to the gaps between the adjacent compartments of the insulating liquid each covered with said resin film, has conductivity and doubles as said first electrode.

6. The electrophoretic display according to claim 5, wherein a transparent conductive resin fills the gap between the compartments of the insulating liquid and said first substrate and the gaps between the adjacent compartments of the insulating liquid.

7. The electrophoretic display according to claim 1, wherein the compartments of the insulating liquid each covered with said resin film are nearly semispherical.

8. The electrophoretic display according to claim 1, wherein active elements are arranged on said second substrate and the display is switched over on the basis of the active matrix driving.